

## Sequence Listing

- (1) Name of Applicant: Chugai Research Institute for Molecular Medicine, Inc.  
(2) Title of the Invention: NOVEL MEMBRANE-SECRETED PROTEIN  
(3) Reference Number: C1-806PCT  
5 (4) Application Number:  
(5) Filing Date:  
(6) Country where the priority application was filed and the application number of the application: Japan, No. Hei 9-099653  
(7) Priority date: April 1, 1997  
10 (8) Number of Sequences: 12

SEQ ID NO: 1:

SEQUENCE LENGTH: 176

TOPOLOGY: liner

15 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

	Met Val Thr Phe Ser His Val Ser Ser Leu Ser His	
	-28 -25 -20	
	Trp Phe Leu Leu Leu Leu Leu Asn Leu Phe Leu Pro Val Ile Phe	
20	-15 -10 -5	
	Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln	
	1 5 10 15	
	Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys	
	20 25 30	
25	Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His	
	35 40 45	
	Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu	
	50 55 60	
	Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala	
30	65 70 75 80	
	Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp	
	85 90 95	
	Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly	

100 105 110  
 Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser  
 115 120 125  
 Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile  
 5 130 135 140  
 Val Phe Cys Ile  
 145

SEQ ID NO: 2:

10 SEQUENCE LENGTH: 148

TOPOLOGY: liner

MOLECULE TYPE: protein

SEQUENCE DENCRIPTION: SEQ ID NO: 2:

Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln  
 15 1 5 10 15  
 Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys  
 20 20 25 30  
 Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His  
 35 40 45  
 20 Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu  
 50 55 60  
 Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala  
 65 70 75 80  
 Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp  
 25 85 90 95  
 Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly  
 100 105 110  
 Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser  
 115 120 125  
 30 Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile  
 130 135 140  
 Val Phe Cys Ile  
 145

35 SEQ ID NO: 3:

SEQUENCE LENGTH: 1509

STRANDEDNESS: double  
 TOPOLOGY: liner  
 MOLECULE TYPE: cDNA to mRNA

5 FEATURE:

NAME/KEY: CDS  
 LOCATION: 12..542  
 IDENTIFICATION: E

10 NAME/KEY: sig peptide  
 LOCATION: 12..95  
 IDENTIFICATION: S

NAME/KEY: mat peptide  
 15 LOCATION: 96..542  
 IDENTIFICATION: S

SEQUENCE DENCRIPTION: SEQ ID NO: 3:

	AGCTCACAGC C ATG GTT ACC TTC AGC CAC GTC TCC AGT CTG AGT CAC	47
20	Met Val Thr Phe Ser His Val Ser Ser Leu Ser His	
	-28 -25 -20	
	TGG TTC CTC TTG CTG CTG CTG CTG AAT CTG TTC TTG CCG GTA ATA TTT	95
	Trp Phe Leu Leu Leu Leu Leu Asn Leu Phe Leu Pro Val Ile Phe	
	-15 -10 -5	
25	GCT ATG CCT GAA TCA TAC TCC TTC AAC TGT CCC GAT GGT GAA TAC CAG	143
	Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln	
	1 5 10 15	
	TCT AAT GAT GTC TGT TGC AAG ACC TGT CCC TCA GGT ACA TTT GTC AAG	191
	Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys	
30	20 25 30	
	GCG CCC TGC AAA ATC CCC CAT ACT CAA GGA CAA TGT GAG AAG TGT CAC	239
	Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His	
	35 40 45	
	CCA GGA ACA TTC ACA GGG AAA GAT AAT GGC CTG CAT GAT TGT GAA CTT	287
35	Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu	
	50 55 60	

	TGC TCC ACC TGT GAT AAA GAC CAG AAT ATG GTG GCT GAC TGT TCT GCC	335
	Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala	
	65 70 75 80	
	ACC AGT GAC CGG AAA TGC GAG TGC CAA ATA GGT CTT TAC TAC TAT GAC	383
5	Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp	
	85 90 95	
	CCA AAA TTT CCG GAA TCA TGC CGC CCA TGT ACC AAG TGT CCC CAA GGA	431
	Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly	
	100 105 110	
10	ATC CCT GTC CTC CAG GAA TGC AAC TCC ACA GCT AAC ACT GTG TGC AGT	479
	Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser	
	115 120 125	
	TCA TCT GTT TCA AAT CCC AGA AAC TGG CTG TTC CTA CTG ATG CTA ATT	527
	Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile	
15	130 135 140	
	GTC TTC TGT ATC TGAAGAAGAT AAAGGTTCTA CAGATGGTGT CTGTAGCTTC	579
	Val Phe Cys Ile	
	145	
	CTTTTATTGC TGTGAAGAGA AACCATGGAG GCAACTCTTT CATTTTATTT TATTTTAA	639
20	TGTCTTGAAC TTGATTTGAA GACCAGGCTG GACTCAAAC CACAGAGATC CGGACTAGGC	699
	ACCTCTAATA TAGGAAAACA TTGAATTGGG ACTGGCTTAC AGTTTCAGAA GTTCTGTCCA	759
	TGATTATCAT AGTGCGAAGC ATGGAGGCAC GGAGGCACAC ATGGTGCTGG AGAAGAAGCT	819
	GAGAGTTCTG CATCTTGATC TGCAAGCAAT AAAAGGAGAC TGTGTGCCAC ACTACACATA	879
	GCTTGAACAT AGGAGACCTC AAAGCCTGTC CCCACAGTGA CAAACTTCCT CCAACAAGGT	939
25	CATACCTCCT AATAATACCA TTTCTTATGA GGCAAGCATT CAAACACATG AGTCTATGAG	999
	GGCCAAACCA ATTCAAACCA CCACAGGTTA ACAATTGCC TCTGCAGCTC TCTGGTGGAG	1059
	GCCCTCCTTG AGAGTAAGTA ACAATTTAGA TGAAGGCAAG TCCTGGTATC AGGTCCAAAA	1119
	GAAACTCAGG ATGAATGGTC CACTGTGGTT CCTATTAACA TACTGAAGAA CATGACCTCA	1179
	CCTTAGACTT CTCCACCTCA CTGGCTTCCC TTCCCTAGC TTCTCATTCC CAGGTAACCC	1239
30	TGCCATTTTT TGGTAATGTG CCTTCTTGGT TCTTCTCTC CTTTCCCCCT CTCTTCTGGT	1299
	CCTTATTTCT CTTCTCTCC CACTCTCCAC CAGCCGCCTC TTAAGGCCTG AGTCAGTCTG	1359
	CAGGCCATGT TTAATCTACT ACTTTCTCTC TGCTCTGGAC TCATCCAGAT GTCTCTGGCT	1419
	GAGCTCTCCC TCCTATCTAC AATAAAACCT TCCCCTAAC CAGAAATGGA ACAGTTTGT	1479
	CCTCACTTGT TACATCTGGT GCCTGAAACC	1509

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SEQ ID NO: 4:

SEQUENCE LENGTH: 43  
 STRANDEDNESS: single  
 TOPOLOGY: liner  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 5 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 GCGGCCGCGA ATTCTGACTA ACTGACGGG GGGGGGGGGG GGG 43

SEQ ID NO: 5:  
 SEQUENCE LENGTH: 26  
 10 STRANDEDNESS: single  
 TOPOLOGY: liner  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 CCGCGAGCTC GATATCAAGC TTGTAC 26

15 SEQ ID NO: 6:  
 SEQUENCE LENGTH: 29  
 STRANDEDNESS: single  
 TOPOLOGY: liner  
 20 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
 GCGGCTCGAG CTATAGTTCG AACATGGAG 29

25 SEQ ID NO: 7:  
 SEQUENCE LENGTH: 29  
 STRANDEDNESS: single  
 TOPOLOGY: liner  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
 30 GAGGTACAAG CTTGATATCG AGCTCGCGG 29

SEQ ID NO: 8:  
 SEQUENCE LENGTH: 23  
 STRANDEDNESS: single  
 35 TOPOLOGY: liner  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 8:

GGCGGAATT CTGACTAACT GAC

23

SEQ ID NO: 9:

5 SEQUENCE LENGTH: 24

STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 9:

10 GGATCCTTCA ACTGTCCCGA TGGT

24

SEQ ID NO: 10:

SEQUENCE LENGTH: 26

STRANDEDNESS: single .

15 TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 10:

GAATTCACA CAGTGTTAGC TGTGGA

26

20 SEQ ID NO: 11:

SEQUENCE LENGTH: 36

STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

25 SEQUENCE DENCRIPTION: SEQ ID NO: 11:

CCGAATTCCA CCATGGTTAC CTTAGCCAC GTCTCC

36

SEQ ID NO: 12:

SEQUENCE LENGTH: 35

30 STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 12:

CCGGATCCTC AGATACAGAA GACAATTAGC ATCAG

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